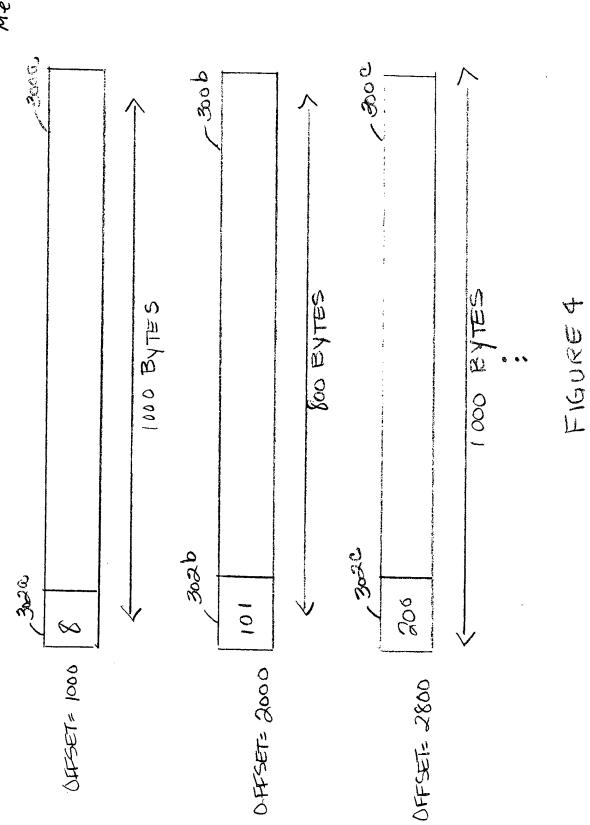


Pictures (6) Documents (7) Data (100)

a1.596 a100.596

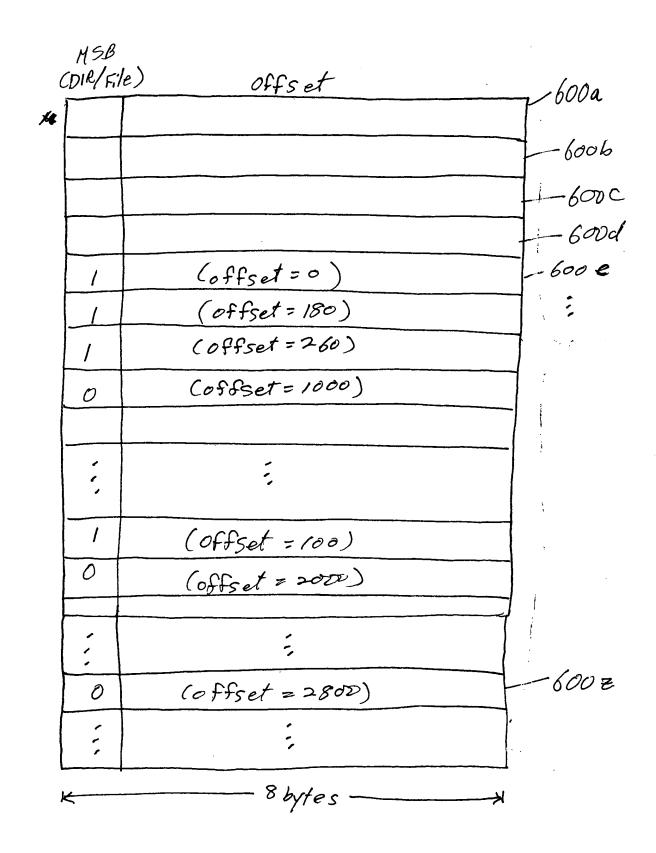
C1. Dat ... C100.Dat
(201)

File Metadatu File



Aving Backup Collect metadata for Inode 1-500 Read Inode # (n) of use nx 8 byte 502 location of this Inodo in Irodo Index Table for this Inode 504 ls the metadata N 506 for a dilectory Record the offset in the Inode Index Table 5.00 Record the offset set the most significant bit for this record in the in the Incode Index table Inode Index Table to O set the most significant 512 bit for this record in Inode Index table to 1 514 there another Inode

FIG 5



F166A

M5B			
(DIR/ File) Inode	offset	
1	5	(offset = 0)	-600a'
/	6	(offset = 180)	-6006'
1	7	(offset = 260)	-600C'
0	8	(offset = 1000)	
1	100	(offset = 100)	
0	101	(offset = 2000)	1 .
0	200	(offset = 2800)	-600Z'
K	8 byte	8 bytes	

FIG-6B

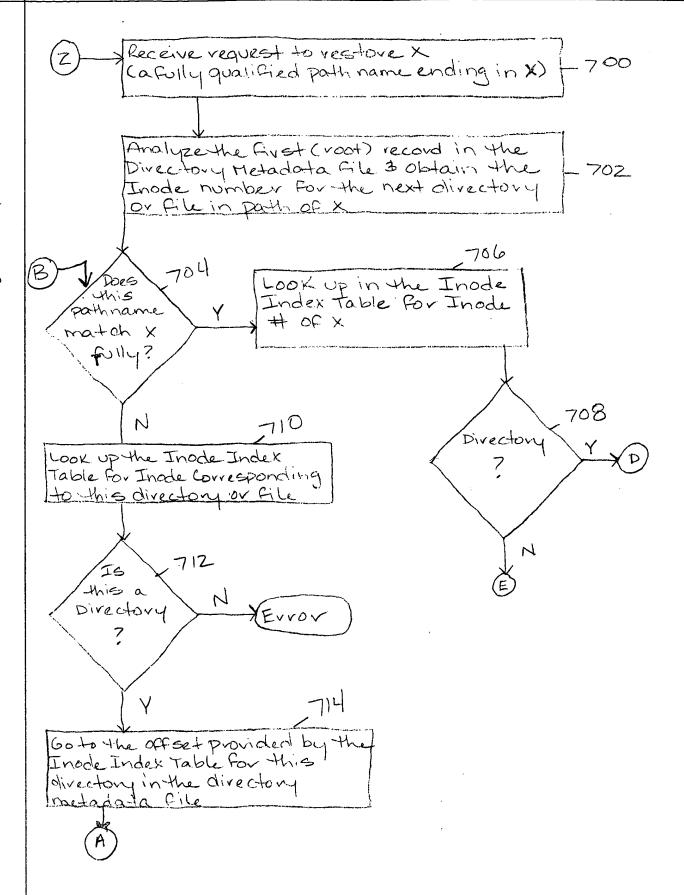
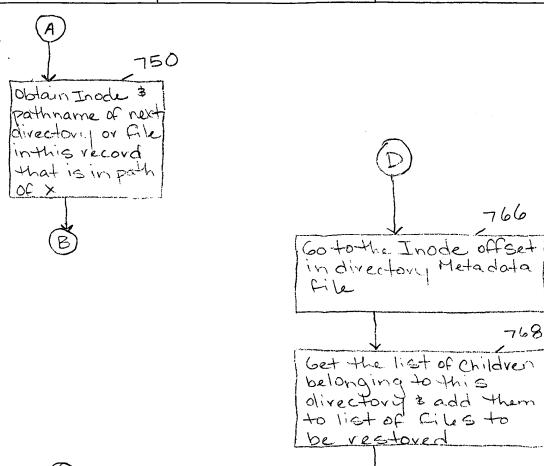


FIG. 7A



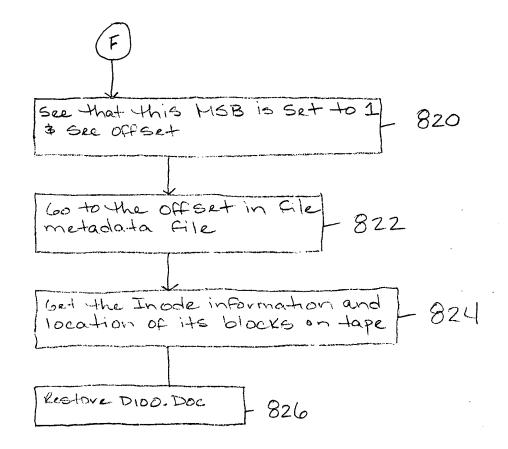
Go to the Inde OFFERT in File metadata File 762 [bet the Inode information & its blocks on the back up media 764 Restore X

FI6.7B

Receive request for 800 C:\Documents \ D100. Doc Look at the first (root) record Entry in the Directory Metadata file & get the Inode number for "Pacuments" Lookup in the Index table for Inode# 804 corresponding to "locuments" Go to the offset provided by the winder table for "Documents" in f Directory Tu eta data ofile get the Inode number for DIOD. DOC Lookup in the rinder table for mode number of DIOO. Doc

FIGEA

9



FI6. 8B

Receive request for C: Documents Myfolder Look at first (100t) enty in Directory motadata file \$ get the 1902 Inade # for "Pocuments" Look up in the Irode Irdex Table for Trade & corresponding to "Documents" Go to the offset provided by the Inode Index Table for "Documents" in dilectory metadata file Get the Inode number for "My foller" Look up in the Trade Index Table for Inode 910 number of "Mytolder"

FIG 9A

See that this MSB is set to 0 Go to the offset in Directory restadata File 1722 Prepare a list of the children of "My folder" \$ 924 add them to the list of files to be restored Get next item in list of files to be re stored Restore children of "my folder"

FIG 9B